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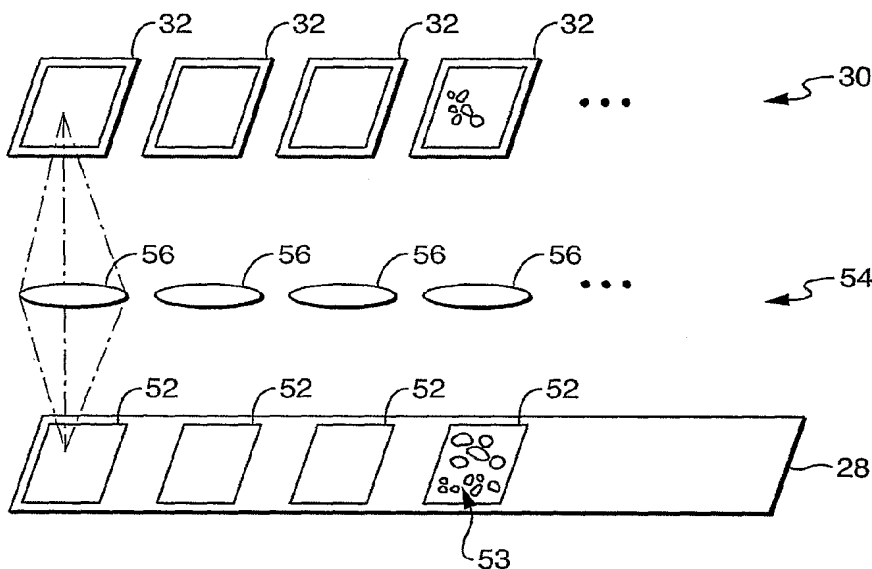
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[Continued on next page]

(54) Title: HADHELD OPTICAL DIAGNOSTIC DEVICE HAVING IMAGE SYSTEM ARRAY



(57) Abstract: A self-contained, optical hand-held diagnostic device is provided with a body having a pocket-sized form factor sized and shaped for engagement by a user's hand. The body includes an integral power supply and an integral display. A channel receives reagent sample media in an indexed fit. The sample media has a plurality of spaced test areas which change color according to an amount of a constituent or property in the sample. Imagers are located within the body so that each of the imagers is superposed with one of the test areas when the sample media is indexed within the channel, to capture an image thereof. A processor is coupled with the imagers to analyze the captured images. The processor also derives a diagnosis value from the analysis, and generates an output corresponding thereto. The display is configured to receive and display the output.



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